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10/750,703

01/02/2004

Arjun Chandrasekar Iyer

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EXAMINER

HARPER, LEON JONATHAN

ART UNIT

PAPER NUMBER

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/750,703	Applicant(s) CHANDRASEKAR IYER ET AL.	
	Examiner LEON HARPER	Art Unit 2166	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 September 2009.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 116-162 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 116-162 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. The amendment filed on 9/8/2009 has been entered. Claims 116, 128, 137, 146, and 155 have been amended. No claims have been added or cancelled. Accordingly, claims 116-162 are pending in this office action.

Response to Arguments

Applicant's arguments with respect to claims 116-162 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting

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directly or indirectly from an international application filed before November 29, 2000.

Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 116-162 rejected under 35 U.S.C. 102(e) as being anticipated by US 6,438,542 (hereinafter Koo)

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As for claim 116 Koo discloses:

Receiving a first table and a second table, in a computer system (See column 4 lines 54-59)

generating, using a processor of the computer system a set of SQL statements to query the first table and the second table (See column 5 lines 5-10), wherein the first table and the second table are stored in a computer-readable storage medium, and the generating uses a relationship between the first table and the second table to construct the set of SQL statements, and the set of SQL statements comprises SQL statements other than a statement that joins the first and second tables querying the first table using the set of SQL statements to produce a first result set (See column 5 lines 20-30);

wherein the querying the first table is performed using the processor querying the second table using the set of SQL statements to produce a first result set, wherein the querying the first table is performing using the processor querying the second table using the set of SQL statements to produce a second result set, wherein the querying the second table is performed using the processor, and the querying the first table and the querying the second table are performed without joining the first table and the

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second table (See column 5 lines 25-30 and column 7 lines 10-35) and ,joining using the processor the first result set and the second result set to produce a third result set (See column 6 lines 40-50).

As for claim 117 the rejection of claim 116 is incorporated and further Koo discloses: a parent/child relationship between the first and second tables, wherein one of the first and second tables is a parent table, and if the first table is the parent table, the second table is a child table, and if the second table is the parent table, the first table is the child table (See column 4 lines 61-67).

As for claim 118 the rejection of claim 117 is incorporated and further Koo discloses: querying the parent table substitution using the set of SQL statements to produce the result set; and using the first result set in constructing a second set of SQL statements to query the child table, wherein the second set of SQL statements comprises SQL statements other than a second statement that joins the second table to another table (See column 5 lines 1-19).

As for claim 119 the rejection of claim 118 is incorporated and further Koo discloses: querying the child table using the second set of SQL statements to produce the second result set (See column 5 lines 20-30).

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As for claim 120 the rejection of claim 119 is incorporated and further Koo discloses returning the third result set as a result of the query of the first and second tables (See column 13 lines 10-30).:

As for claim 121 the rejection of claim 118 is incorporated and further Koo discloses: the second set of SQL statements comprises: a query statement for selecting a record having a value of a foreign key field of the second table equal to a value of a target key field in the first result set (See column 5 lines 10-20).

As for claim 122 the rejection of claim 116 is incorporated and further Koo discloses: using the first result set in constructing a second set of SQL statements to query the second table, wherein the second set of SQL statements comprises SQL statements other than a second statement that joins the second table to another table (See column 5 lines 20-30)

As for claim 123 the rejection of claim 122 is incorporated and further Koo discloses: querying the second table using the second set of SQL statements to produce the second result set (See column 5 lines 20-30),

As for claim 124 the rejection of claim 123 is incorporated and further Koo discloses: returning the third result set as a result of the query of the first and second tables (See figure 12).

As for claim 125 the rejection of claim 122 is incorporated and further Koo discloses: a query statement for selecting a record having a value of a foreign key field of the second table equal to a value of a target key field in the result set (See column 6 lines 45-67).

As for claim 126 the rejection of claim 116 is incorporated and further Koo discloses: obtaining a search specification for the query of the first and second tables, wherein the set of SQL statements comprises a query statement to select a record from at least one of the first and second tables if the record satisfies the search specification (See column 7 lines 20-35).

As for claim 127 the rejection of claim 126 is incorporated and further Koo discloses: executing the set of SQL statements to produce the third result set; and returning the third result set in response to the search specification (See figure 12).

Claims 128- 136 are system claims all substantially corresponding to claims 116-127 and are thus rejected for the same reasons as set forth in the rejection of claims 116-127.

Claims 137 -145 are all computer product claims all comprising substantially the same limitations as claims 116-127 and are thus rejected for the same reasons as set forth in the rejection of claims 116-127.

Claims 146 -154 are all system claims all comprising substantially the same limitations as claims 116-127 and are thus rejected for the same reasons as set forth in the rejection of claims 116-127.

Claims 155 -163 are all system claims all comprising substantially the same limitations as claims 116-127 and are thus rejected for the same reasons as set forth in the rejection of claims 116-127.

Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LEON HARPER whose telephone number is (571)272-0759. The examiner can normally be reached on Flex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain Alam can be reached on (571) 272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LJH
Leon J. Harper
December 31, 2009

/Hosain T Alam/
Supervisory Patent Examiner, Art Unit 2166